

Dr. Bandana Nabis Das

C/o Mr. Kamal Chandra Das, Dolphin Galaxy Apartment, 5th floor,
below Ulubari flyover, Ulubari • Guwahati-781007 • 9864033663
• bnbisdas@gmail.com



▼ Experience

1992-2023

- **Associate Professor • Retired as HOD (31.10.2023) • Dept. of Botany • Handique Girls' College**

2020-2023

- **Supervisory Administrative Officer • Dept. of Computer Science • Handique Girls' College**

2019-2022

- **IQAC Co-ordinator • Handique Girls' College**

2006-2007

- **Assistant Co-ordinator • IGNOU • Handique Girls' College Study Centre**

1992

- **Joined as Lecturer • Dept. of Botany • Handique Girls' College**

▼ Education

Gauhati University, Guwahati, Assam

- **M.Sc. in Botany** with Specialization in Cytogenetics and Plant Breeding

Gauhati University, Guwahati, Assam

- Awarded **Ph.D. Degree** for the thesis entitled "Cytogenetics of *Plumbago* Linn. Studies on Karyomorphology and Nuclear DNA content in certain species" in the year 2007

▼ Achievements

- **Awarded FNRS** by the International Society for Conservation of Natural Resources in 2003.
- **Recipient of Ram Sakhi Devi Award, category-Best Lady Speaker** in the National Seminar on Impact of Increasing Human Population on Natural Resources in 2003, jointly organized by International Society for Conservation of Natural Resources (ISCON), Varanasi and Department of Botany, **Banaras Hindu University, Varanasi.**
- **One of the Five members of the team - Council for Teacher Education (CTE)** in India - visited Bangladesh (Dacca and Jahangirnagar Universities) on a '**Goodwill Mission**' in 2004. **Recipient**

of a citation from the Council for Teacher Education in India (CTE) on 'Goodwill Mission' to Bangladesh, 2004.

- Fellow of Botanical Society of Assam, 2015.
- **No. of Research Scholars under my Guidance – 04; Two Scholars have been awarded Ph.D.**
- Neetumalata Boro worked under the supervision of Dr. Bandana Nabis Das for her thesis entitled "Karyomorphology and phylogenetic analysis of *Phlogacanthus* Nees occurring in Assam", for which she awarded the Degree of Philosophy (Ph.D) in 2023.
- Aswathy Ravindran worked under the supervision of Dr. Bandana Nabis Das for her thesis entitled "Studies on karyomorphology and phylogenetic analysis in some species of *Strychnos* Linn." For which she awarded the Degree of Philosophy (Ph.D) in 2023.

▼ Research Projects (Minor Projects)

- Completed an MRP titled survey on **Garbage disposal in different areas of Guwahati**, in the year 2007 (UGC-CPE Funded)
- Completed an MRP titled **An Assessment of Florestic diversity of Umananda River Island**, Guwahati, in the year 2012
- Completed an MRP titled **Studies of the genome in *Plumbago rosea*** funded by Umatara Tea Company in the year 2015.
- Completed an MRP titled **Karyomorphological studies in certain species of *Bauhinia* with special reference to its conservation** funded by Paramount Tea Marketing (P) Ltd., Kochi in the year 2015.
- Completed an MRP titled **Studies on endophytic microorganisms isolated from *Curcuma longa* L. of greater Guwahati** funded by the Handique Girls' College in the year 2017
- Completed an MRP titled **Karyomorphological analysis and total genomic DNA extraction in different plant species of germs *Phlogacanthus* available in Karbi Anglong district of Assam**, funded by ASTEC, Govt. of Assam in the year 2019.

▼ Research Papers

- Published a paper titled 'In vitro antimicrobial activity of fungal endophytes isolated from *Plumbago indica*' (Page no. 208-212) in the journal Indian Journal of Tropical Biodiversity in the year 2015.
- Published a paper titled 'Tetraploidy in *Plumbago* induction of Tetraploidy in two species of *Plumbago* Linn.' in the journal of Applied Biosciences & Biotechnology in the year 2016. ISSN 0974-2387.
- Published a paper titled 'A Standardized Protocol for Genomic DNA Isolation from the Species of *Plumbago* Linn' (page no. 1345-1349) in the International Journal of Life Science and Scientific Research in the year 2017. ISSN 2581-8740, Impact Factor 2.6. **(Citation-4) DOI:10.21276/ijlssr.2017.3.5.13**
- Published a paper titled 'Karyomorphological Studies in Two Species of *Bauhinia* Linn. and Induction of Polyploidy in *Bauhinia acuminata* Linn' (Page no. 1223-1229) in the International Journal of Life Science and Scientific Research in the year 2017. ISSN 2581-8740, Impact Factor 2.6. **(Citation- 8) DOI:10.21276/ijlssr.2017.3.4.20**
- Published a paper titled 'Karyomorphological Studies in Three Species of *Alocasia* (Schott.) G. Don. - An Ethno-medicinally and Economically Important Genus' (page no. 2116-2121) in the International Journal of Life Science and Scientific Research in the year 2018. ISSN 2581-8740, Impact Factor 2.6. **(Citation- 12) DOI:10.21276/ijlssr.2018.4.6.8**

- Published a paper titled A standardized protocol for the genomic DNA isolation from the leaf of *Camellia sinensis* (Linn.) O. Kuntze (page no. 33-37) in the Journal of Food, Agriculture & Environment in the year 2018. ISSN 1459-0255. **DOI:10.1234/4.2018.5534**
- Published a paper titled ‘Karyomorphological studies in three species of the genus *Phlogacanthus* Nees occurring in Assam’ (page no- 507-510) in the journal of Indian Society of Genetics and Plant breeding in the year 2019. ISSN 0975-6906. **(Citation- 1) DOI: 10.31742/IJGPB.79.2.17**
- Published a paper titled ‘Karyomorphology in two species of the genus *Phlogacanthus* Nees of Assam: some new karyomorphological insights’ in the Journal of Genetics in the year 2020. ISSN 0022.1333, Impact Factor 0.993. **(Citation- 2) <https://doi.org/10.1007/s12041-020-01237-3>**
- Published a paper titled ‘Karyomorphological studies in two species of genus *Strychnos* L. significant in ethno-pharmacological aspects’ in the journal of Indian Society of Genetics and Plant breeding in the year 2022. ISSN: 0975-6906. **(Citation- 1) <https://doi.org/10.31742/IJGPB.82.1.19>**
- Published a paper titled ‘Karyomorphological Analysis in *Strychnos dalzellii* C.B.Cl. and *Strychnos minor* Dennst. - The Indigenous Climbers of India’ in the Journal of Plant Science Research in the year 2022. ISSN: 0970-2539. **<https://doi.org/10.32381/JPSR.2022.38.02.34>**
- Published a paper titled “Karyomorphological studies in three species of *Smilax* L. found in Assam” in the journal Indian Journal of Genetics and Plant Breeding in the year 2024. ISSN: 0975-6906. **<https://doi.org/10.31742/ISGPB.84.1.16>**

▼ Books authored/co-authored

- Published a chapter titled ‘Education for protecting to environment (with special reference to conservation of Laokhowa Wildlife)’ in the book Education for Survival of Human Race published by Authors press Publisher of Scholarly books, Delhi in the year 2004. ISBN 81-7273-163-9; Vol 1:23-30.
- Edited the third edition of the book entitled ‘Dictionary of Economic and Medicinal Plants’ by Ananda Chandra Dutta, D.Sc. and published by Orchid Publication, in the year 2013. ISBN 13:978-93-81419-12-0.
- Published a chapter titled The Elixir Drink – Tea and its Industry in Assam’ in the book Assam: Myriad published by the Spectrum Publications in the year 2015. ISBN 978-81-8344-073-8.
- Published a chapter titled ‘Assamese Women The Pathbreakers’ in the book A collection of Biographical sketches of Assamese women in various field of activities, Ed. Pari Hiloidari published by Women’s Studies Cell, Handique Girls’ College in association with Bhabani Print and Publications, Guwahati. ISBN 978-93-81139-23-3.
- Co-authored a chapter titled ‘Fungal Endophytes and their antimicrobial activities isolated from *Curcuma longa* L. grown in Guwahati’, in the book Biological spectrum of Northeast India (Annual Bioscience Communication), Hemen Chandra Majumdar (Ed.), published by Om Publications on the year 2022; Vol. 2; pp. 66-76.

▼ Articles

- **Gene that influences the ability to remember faces identified** in the newsletter Hortus in the year 2014, published by Dept. Of Botany, Handique Girls’ College.
- **Orchids at Kew Garden an extravaganza of tropical colour** in the newsletter Hortus in the year 2015, published by Dept. Of Botany, Handique Girls’ College.

- **Transgenic Plants- Bane or Boon** in the newsletter Hortus in the year 2022, published by Dept. Of Botany, Handique Girls' College.
- **Gene Therapy** in the newsletter Hortus in the year 2023, published by Dept. Of Botany, Handique Girls' College.

▼ Invited Lectures

- 'Foundation course in Science and Technology (FST)' in Radio Counsellor, A.I.R Station organized by IGNOU in the year 2004
- 'Economically Important Plants of Assam' in Radio Counsellor, A.I.R Station organized by IGNOU in the year 2006
- Personality Development and Communication Skill at Handique Girls' College in the year (2010-2018)
- Invited to be the Chief Guest for the Annual Day Programme and Delivered a lecture on 'Agony of a Child today due to parental pressure to obtain higher grades in academic' at Sarla Birla Gyan Jyoti, Guwahati in the year 2016.
- Delivered a talk on 'Genetic engineering in Agriculture practical demonstration on Preparation of mitotic chromosome from Onion root tips' organized by Institutional Biotech Hub, Panitema Satgaon High school, Panitema, Kamrup in the year 2016.
- Empowering Women for Nature Conservation, WiNN India 2019.
- Delivered a talk 'Karyotyping and Chromosome Banding' organized by the Royal School of Life Sciences and the Royal School of Biosciences, Royal Global University in the year 2021
- Delivered a talk on 'Polyploidy and Crop Improvement' in the Dept. of Botany, Royal School of Life Sciences, Royal Global University in the year 2022.

▼ Life members

- Assam Science Society
- Botanical Society of Assam
- Indian Association of Nuclear Chemists and Allied Scientists Bhaba Atomic Research Centre, Mumbai
- Aaranyak – A Society for Biodiversity Conservation in North East India
- Council for Teacher Education in India (Assam Chapter)
- All India Freedom Fighters Samiti

▼ Involved in various committee/cells

Name of the Organisation/Institution	Position (Member/ Life member)	Year
CCS (UG) Botany; CCS (UG) Microbiology, Gauhati University BOS Botany (UG), Arya Vidyapeeth Autonomous College	Member	2011-2023 2022
Question Setting and Moderation works (UG), Gauhati University		2010-2023
Teaching PG Classes (Botany)	Co-ordinator	2014-2023
B. Sc. 2 nd semester (Major & General) Zone (ZoneS1)	Assistant Zonal Officer	2016

Grade III and IV Recruitment Examination and Interview	Member	2022
Planning Committee, Handique Girls' College	Convenor	2015-2021
Finance and Planning Committee	Co-ordinator	2021-2023
Advisory Committee, Kasturba Gandhi National Memorial Trust, Assam Branch.	Member	2015-2021
College with Potential for Excellence (CPE) Committee	Co-ordinator	2011-2015
Academic Activities, RUSA scheme	Nodal Officer	2014-2019
IQAC Core Committee	Member	2008-2014
IQAC , HGC	Joint Co-ordinator	2018
IQAC , HGC	Co-ordinator	2019-2022

Bandana Nabis Das

(Dr. Bandana Nabis Das)

Signature of the Candidate